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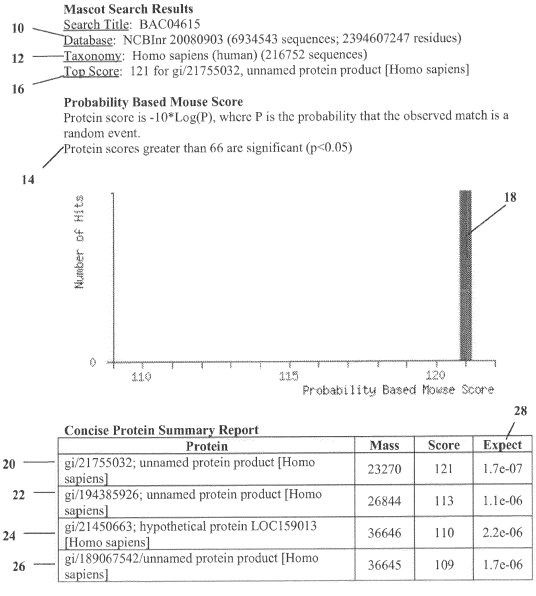
(54) Method for aiding in the diagnosis and therapy of asthma and lung cancer

(57) A method of identifying proteins present in human serum which are differentially expressed between normal individuals and patients known two have non-small cell lung cancers and asthma, as diagnosed by a physician, Human serum specimens from each population are digested with trypsin or any other suitable endoproteinase and analyzed using a liquid chromatography electrospray ionization mass spectrometer. Mass spectral data from each population is compared to determine proteins with expression intensities which are significantly differentially expressed between the normal, asthma, and lung cancer populations. Eleven proteins are found to have expression intensities which are significantly differentially expressed between the populations. Finally, the identity of the eleven proteins are obtained by comparing the mass spectral data with known databases having libraries of mass spectral data of known proteins.

FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 14 16 1288

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	27 August 2014	Gundlach, Björn

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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